

Appl. No. 10/713,231

Amendments to the Abstract:

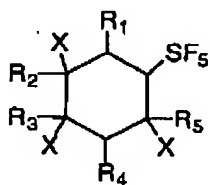
Please replace the Abstract with the following rewritten Abstract:

ABSTRACT OF THE DISCLOSURE

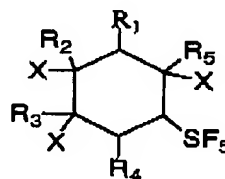
A new route has been found leading to the formation of pentafluorosulfuranyl arylenes. In its broadest aspect the process comprises:

effecting dehydrohalogenation or dehydrogenation of a pentafluorosulfuranyl cycloaliphatic compound represented by either of the structures:

A



B

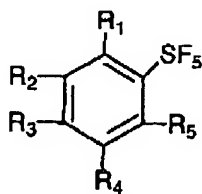


and

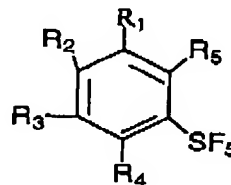
wherein R₁, R₂, R₃, R₄, R₅ are H, halogen, C₁₋₁₀ alkyl, C₁₋₁₀ alkoxy, C₁₋₁₀ thioalkyl, C₁₋₁₀ alkyl ether, list more, R₁, R₂, R₃, R₄, and R₅ are H and R₆ is H repeated R₁ aryl and substituted aryl, thioether, sulfonyl, carboalkoxy, alkylamino, arylamino, alkylphosphoryl, alkylphosphonyl, arylphosphonyl, arylphosphoryl and mixtures thereof and X is a halogen atom

to form the pentafluorosulfuranyl arylene represented by the structures:

C



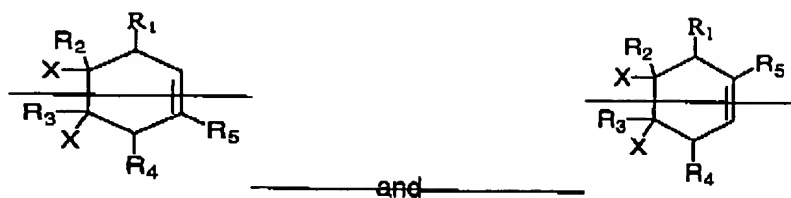
D



and

wherein R₁-R₅ are as represented in compound represented by the structures A and B above.

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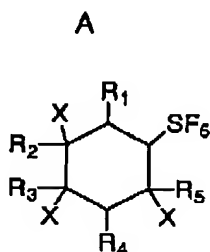
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Enclosed herewith is a clean version of the abstract that incorporates the revisions made.

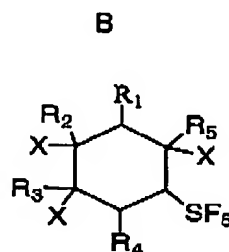
ABSTRACT OF THE DISCLOSURE

A new route has been found leading to the formation of pentafluorosulfuranyl arylenes. In its broadest aspect the process comprises:

effecting dehydrohalogenation or dehydrogenation of a pentafluorosulfuranyl cycloaliphatic compound represented by either of the structures:

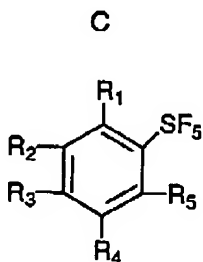


and

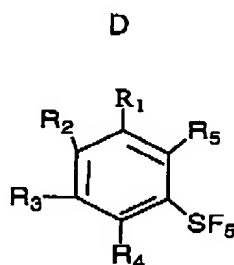


wherein R₁₋₅ are H, halogen, C₁₋₁₀ alkyl, C₁₋₁₀ alkoxy, C₁₋₁₀ thionyl, C₁₋₁₀ alkyl ether, aryl and substituted aryl, thioether, sulfonyl, carboalkoxy, alkylamino, arylamino, alkylphosphoryl, alkylphosphonyl, arylphosphonyl, arylphosphoryl, and mixtures thereof and X is a halogen atom

to form the pentafluorosulfuranyl arylene represented by the structures:



and



wherein R₁₋₅ are as represented above.